



Australian Government

PUAFIR017 Work safely around aircraft

Release: 1

PUAFIR017 Work safely around aircraft

Modification History

Release 1.0 This is the first release of this unit of competency in the PUA Public Safety Training Package.

Application

This unit of competency involves the skills and knowledge required to apply safe work practices when working around aircraft for organisational operations. It includes working safely in or around aircraft and facilitating safe ground support.

The unit is applicable to the provision of introductory training for personnel providing support services for aerial operations, noting that personnel undertaking specialist functions such as aircraft marshalling, aircraft refuelling, fire suppressant mixing and loading and ground-to-air radio communications will require further training. It also applies to the provision of safety training for operational personnel who may be required to utilise aircraft or work in the vicinity of aircraft in the performance of their work tasks and/or the provision of foundation training for all aviation related roles for fire, land management and emergency management.

Work is performed independently or under limited supervision as a single operator or within a team environment.

The fire sector is those sections of government departments, statutory authorities or organisations that have responsibility under jurisdictional arrangements for the delivery of firefighting and fire management services.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Fire

Unit Sector

Fire

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Work safely in and around aircraft

- 1.1** Site and job hazards are identified, risks are assessed and control measures are implemented
- 1.2** Personal protective clothing and equipment is worn and used correctly in accordance with organisational procedures
- 1.3** Appropriate clearances and permissions, where required, are obtained and procedures are adhered to whilst operating in aircraft movement areas
- 1.4** Any approach to an operating aircraft is made from an angle visible to the pilot or air crew and with approval of the pilot or air crew
- 1.5** Adequate clearance is maintained from propellers, rotors, engines, exhaust gases and engine intakes
- 1.6** Typical manoeuvring patterns of aircraft are anticipated and a safe distance is maintained
- 1.7** Instructions or signals from pilots or staff controlling aircraft are complied with in accordance with organisational procedures

2 Facilitate safe ground support

- 2.1** Briefing on safety and tasks are received and acknowledged from task supervisor
- 2.2** Appropriate approvals and precautions are observed when positioning vehicles or equipment close to aircraft
- 2.3** Instructions from pilots and/or authorised air crew coordinating aircraft operations are followed
- 2.4** Aircraft loading and other activities relating to the aircraft, where required, are conducted under pilot or authorised air crew supervision
- 2.5** Aircraft hazards and equipment defects are reported to pilot or approved task supervisor
- 2.6** Compliance is maintained around aircraft in accordance with air base regulations

- 2.7 Accidents are identified and reported to pilot and/or task supervisor
- 2.8 Directions from pilot or air crew are followed during an emergency

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to PUAFIR209 Work safely around aircraft.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>

Assessment Requirements for PUAFIR017 Work safely around aircraft

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- complying with regulatory requirements and organisational procedures
- ensuring safety and quality procedures are applied
- following directions from pilot or air crew during an emergency
- identifying hazards and risks and acting to minimise, mitigate, control or eliminate
- implementing precautions and aviation emergency procedures, as required
- participating in briefings
- reporting accidents
- using personal protective clothing and equipment
- working safely around aircraft.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of

- actions to be taken in the event of an emergency
- air base site hazards
- airbase access and security requirements
- airbase layout, facilities and services including working zones and lighting facilities
- aircraft design features including 'no step' places
- aircraft features and movement characteristics
- aircraft operations including loading and refuelling precautions
- content of briefings
- correct selection, fitting and wearing of personal protective clothing and equipment for tasks to be performed
- hazards of working around aircraft
- organisational policies and procedures including safe work practices around aircraft
- risk identification and mitigation processes

- roles and responsibilities of personnel supervising, managing and supporting aircraft operations
- safety equipment including fire extinguisher and first aid kit
- types of aircraft which may include but is not limited to aeroplanes, helicopters, remotely piloted aircraft and their movement characteristics
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in operational situations or in simulated operational training situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to

- a range of exercises, case studies and/or simulations
- appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry
- applicable documentation including organisational procedures, standards, equipment specifications, regulations, codes of practice and operational manuals.

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